FIG. 1

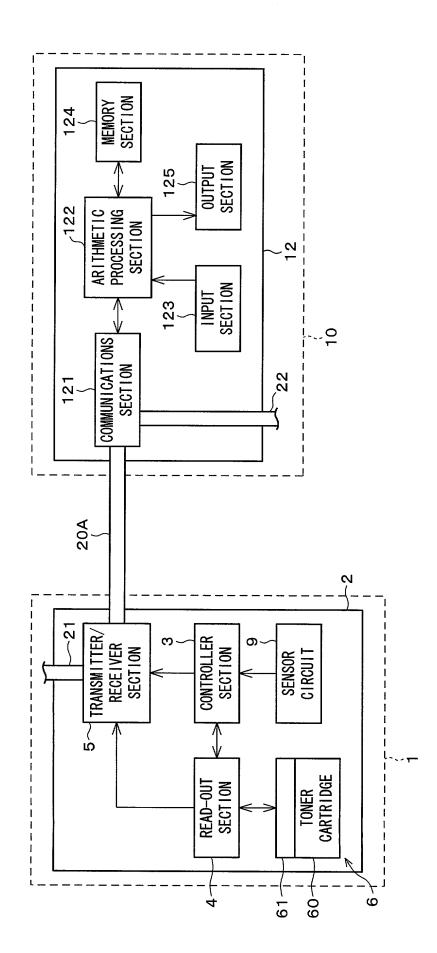


FIG. 2

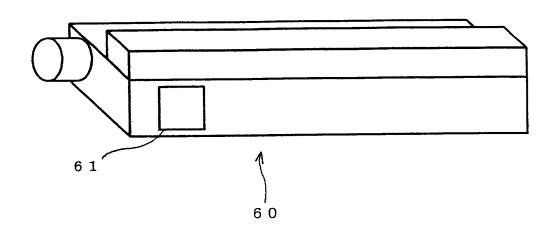


FIG. 3

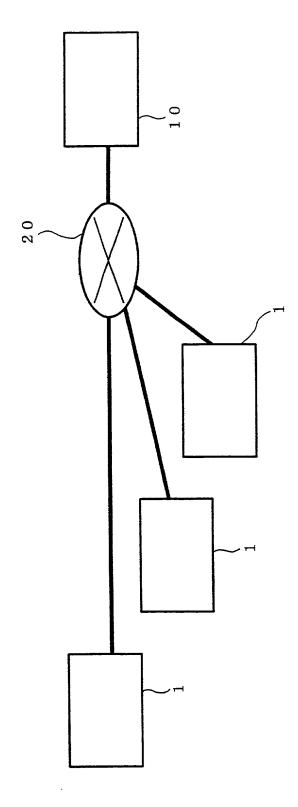
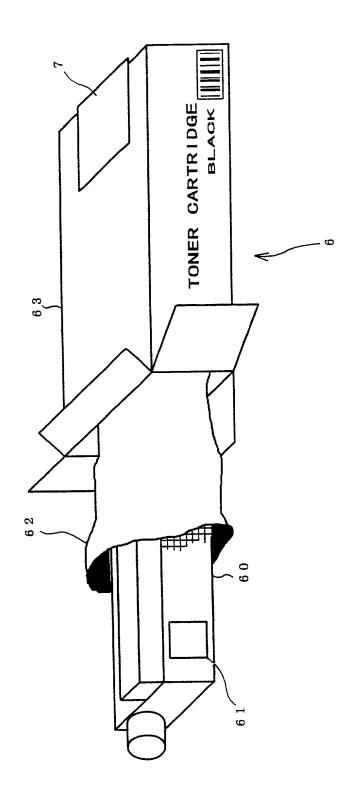


FIG. 4



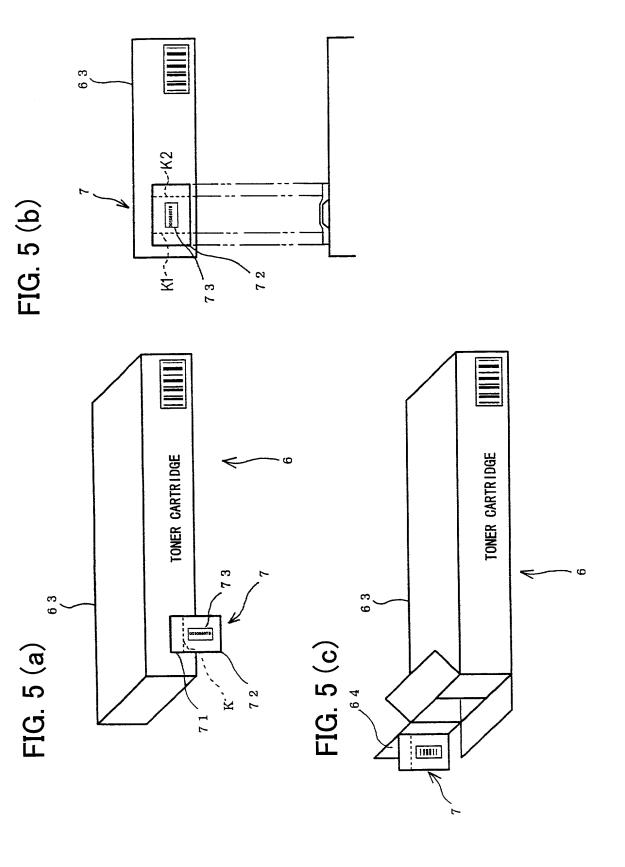


FIG. 6 (a)

### PRODUCT-IN-CIRCULATION DATA TABLE [1]

CURRENT DATA AND TIME Tp: 10/28/2000

UNIQUE DATA	REMARKS	THE NUMBER OF TIMES COLLECTED N	ACCOUNTING
0000 0000 0000 0101 0000		3	CHARGED
0000 0000 0000 0101 0001	BLACK TONER CARTRIDGE	1	CHARGED
0000 0000 0000 0101 0010	FOR AR-2000	2	UNCHARGED
		•••	•••
0100 0000 0000 0000 0100	TOTAL OUT TONIED CAPTRIDGE	0	CHARGED
0100 0000 0000 0000 0101	YELLOW TONER CARTRIDGE	0	UNCHARGED
	FOR AR-2000	•••	•••
0100 0000 0000 0000 1100	MA CENTRA TONED	0	CHARGED
0100 0000 0000 0000 1101	MAGENTA TONER	0	UNCHARGED
	CARTRIDGE FOR AR-2000	•••	•••
1100 0000 0000 0000 0111	CYAN TONER CARTRIDGE	0	CHARGED
1100 0000 0000 0000 1000	FOR AR-2000	0	UNCHARGED
	•••	•••	•••

### FIG. 6 (b)

PRODUCT-IN-CIRCULATION DATA TABLE [1]

CURRENT TADA AND TIME Tp: 10/28/2000

UNIQUE DATA	REMARKS	THE NUMBER OF TIMES COLLECTED N	ACCOUNTING
0000 0000 0000 0101 0000 0000 0000 0000	BLACK TONER CARTRIDGE FOR AR-2000	3 1 2	CHARGED CHARGED UNCHARGED
0100 0000 0000 0000 0100			 CHARGED
0100 0000 0000 0000 0101	YELLOW TONER CARTRIDGE FOR AR-2000	1	UNCHARGED
0100 0000 0000 0000 1100 0100 0000 0000	MAGENTA TONER CARTRIDGE FOR AR-2000	1	CHARGED UNCHARGED 
1100 0000 0000 0000 0111 1100 0000 0000	CYAN TONER CARTRIDGE FOR AR-2000	0 1	CHARGED UNCHARGED
			•••

### FIG. 6 (c)

PRODUCT-IN-CIRCULATION DATA TABLE [2]

CURRENT TADA AND TIME Tp: 10/28/2000

UNIQUE DATA	REMARKS	THE NUMBER OF TIMES COLLECTED N	ACCOUNTING
•••	•••	•••	•••
0010 0000 0000 0000 0000		0	CHARGED
0010 0000 0000 0000 0001	APPLICATION SOFTWARE	2	UNCHARGED
0010 0000 0000 0000 0010	"DATA SEARCH" Ver. 1.0	2	UNCHARGED
	Diffit being		•••
0010 0000 0000 1000 0000		0	CHARGED
0010 0000 0000 1000 0001	APPLICATION SOFTWARE	1	CHARGED
0010 0000 0000 1000 0010	"DATA SEARCH" Ver. 2.0	1	UNCHARGED
	Divini Odinicin Con Est		•••
	•••		•••
0010 0001 0000 0000 0000	APPLICATION SOFTWARE	0	CHARGED
0010 0001 0000 0000 0001	"TRANSLATION ASSISTANT"	0	CHARGED
0010 0001 0000 0000 0010		1	UNCHARGED
	•••	•••	•••

FIG. 7 (a)

CONTRACT SIGNER TABLE[1]

÷						
METHOD OF PAYMENT						·
DATE OF CONTRACT SIGNED						
ADDRES E NO. SIGNED PAYMENT  S E NO. SIGNED PAYMENT						
EMAIL ADDRES S						
STREET ADDRESS						
		GENERAL AFFAIRS DEPARTMENT	ABC DIVISION	NOISIAI ZXX		
NAME OF CONTRACT SIGNER	000001 A CO., LTD.	B INC.	000003 C CO., LTD.	300004 C CO., LTD.		
ID NUMBER	000001	000002 B INC.	000003	000004	000000	:

FIG. 7 (b)

CONTRACT SIGNER TABLE[2]

ID NUMBER	CONTRACT MODEL1	CONTRACT MODEL2	CONTRACT MODEL3	:
00001	000001 AR-2000	NO CONTRACT	NO CONTRACT	
00002	000002 AR-2000	NO CONTRACT	NO CONTRACT	
00003	000003 AR-2000	AR-2001	NO CONTRACT	
00004	000004 AR-2000	NO CONTRACT	NO CONTRACT	1
000005				
:				

FIG. 8 (a) INSTALLED CARTRIDGE DATA

MACHINE MODEL AR-2000 LIBRE

CONTRACT SIGNER ID 000125

	DATE OF		INSTALLED CARTRIDGE DATA	TRIDGE DAT	A	THE NUMBER	CORRESPONDING SPARE CARTRIDGE
CARTRIDGE TYPE	REPLACEMENT	FULL DATA (FULL DIGITS)	COLOR DATA (FIRST TWO DIGITS)	MODEL DATA	UNIQUE DATA	COLLECTED N	No.
BLACK	N/A	N/A	N/A	N/A	N/A	N/A	N/A
YELLOW	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MAGENTA	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CYAN	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PHOTOSENSITIVE RODY	N/A	N/A	N/A	N/A	N/A	N/A	N/A

FIG. 8 (b) SPARE CARTRIDGE DATA

	CANCEL	THE NUMBER OF	TIMES COLLECTED  N	N/A	-									
	REGISTER	CTIPDENT	STATUS	N/A										
	03/22/2000/15:58 CONFIRM		UNIQUE DATA	N/A										
	DATE	IDGE DATA	MODEL DATA	N/A							į			
		SPARE CARTRIDGE DATA	COLOR DATA (FIRST TWO DIGITS)	N/A										
עוע	E		ATION FULL DATA (FULL DIGITS)	N/A										
CANINIDUE L	AR-2000 LIBRE 000125	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	DATE OF INSTALLATION											
FIG. 8 ( D ) SFARE CANINIDUE DAIA	MACHINE MODEL AR-2000 CONTRACT SIGNER ID 000125		No. DATE OF DELIVERY INSTALLA	N/A										
r I C	لگا نہا		No.	┢	2	ಣ	4	ಸ	9	7	8	6	10	

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FIG. 9 (a) INSTALLED CARTRIDGE DATA

MACHINE MODEL AR-2000 LIBRE

CONTRACT SIGNER ID 000125

	DATE OF	II	INSTALLED CARTRIDGE DATA	DATA		THE NUMBER OF	CORRESPONDING SPARE CARTRIDGE
CARTRIDGE TYPE	REPLACEMENT	FULL DATA (FULL DIGITS)	COLOR DATA (FIRST TWO DIGITS)	MODEL DATA	UNIQUE DATA	COLLECTED N	No.
BLACK	N/A	N/A	N/A	N/A	N/A	N/A	N/A
YELLOW	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MAGENTA	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CYAN	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PHOTOSENSITIVE RODY	N/A	N/A	N/A	N/A	N/A	N/A	N/A

# FIG. 9 (b) SPARE CARTRIDGE DATA

				_ 1				-1	П	П		Т	T	П	
		CANCEL	THE NUMBER OF	TIMES COLLECTED  N	3	0	0	0	1	0	0	0			
		REGISTER	CHRRENT	STATUS	NEW (SPARE)	NEW (SPARE)	NEW (SPARE)	NEW (SPARE)	NEW (SPARE)	NEW (SPARE)	NEW (SPARE)	NEW (SPARE)			
	03/21/2000/15:58	CONFIRM		UNIQUE DATA	AR-2000 0000 0000 0101 0000 NEW (SPARE)	0000 0000 0000 0100	0000 0000 0000 1100	AR-2000 0000 0000 0111 NEW (SPARE)	AR-2000 0000 0000 0101 0001 NEW (SPARE)	AR-2000 0000 0000 0000 0101 NEW (SPARE)	0000 0000 0000 1101	0000 0000 0000 1000			
	DATE		ATA	MODEL DATA	AR-2000	AR-2000	AR-2000	AR-2000		AR-2000	AR-2000	AR-2000			
	DA		SPARE CARTRIDGE DATA	COLOR DATA (FIRST TWO DIGITS)	BLACK TONER (00)	YELLOW TONER(01)	MAGENTA TONER (10)	CYAN TONER(11)	BLACK TONER (00)	YELLOW TONER(01)	MAGENTA TONER (10)	CYAN TONER(11)			
מושר	ь			FULL DATA (FULL DIGITS)	0000 0000 0000 0101 0000 BLACK TONER(00)	0100 0000 0000 0000 0100 YELLOW TONER(01) AR-2000 0000 0000 0000 0100 NEW (SPARE)	1000 0000 0000 0000 1100 MAGENTA TONER(10) AR-2000 0000 0000 0000 1100 NEW (SPARE)	1100 0000 0000 0000 0111 CYAN TONER(11)	0000 0000 0000 0101 0001	0100 0000 0000 0000 0101 YELLOW TONER(01)	1000 0000 0000 0000 1101 MAGENTA TONER(10) AR-2000 0000 0000 0000 1101 NEW (SPARE)	1100 0000 0000 0000 1000 CYAN TONER(11) AR-2000 0000 0000 0000 1000 NEW (SPARE)			
CANINIDUE D	AR-2000 LIBRE	000125		DATE OF INSTALLATION FULL						-		-			
TG, 9 (D) STANE CANIMIDUE DAIA	MACHINE MODEL AR-2000 LIBRE	CONTRACT SIGNER ID 000125		TO. DATE OF DELIVERY	3/22/2000						3/22/2000	3/22/2000			
딕 다			1	<u>.</u>		12	ا س	4	5	9	-	∞	9	10	1

FIG. 10 (a) INSTALLED CARTRIDGE DATA

MACHINE MODEL AR-2000 LIBRE

CONTRACT SIGNER ID 000125

CARTRINGE TVPE	DATE OF	II	INSTALLED CARTRIDGE DATA	DATA		? OF	CORRESPONDING SPARE CARTRIDGE
	REPLACEMENT	FULL DATA (FULL DIGITS)	COLOR DATA (FIRST MODEL TWO DIGITS) DATA	MODEL DATA	UNIQUE DATA	TIMES COLLECTED N	No.
BLACK	3/22/2000 0000 000	0000 0000 0000 0101 0000	30 0000 0101 0000 BLACK TONER(00)	AR-2000	AR-2000 0000 0000 0101 0000	er.	1 (No. 1)
YELLOW	3/22/2000	3/22/2000 0100 0000 0000 0000 0100 YELLOW TONER(01) AR-2000 0000 0000 0000 0100	YELLOW TONER(01)	AR-2000	0000 0000 0000 0100		1 (No. 9)
MAGENTA	3/22/2000 1000 000	1000 0000 0000 1100	MAGENTA TONER (10)	AR-2000	00 0000 0000 1100 MAGENTA TONER(10) AR-2000 0000 0000 0000 1100		1 (No. 2)
CYAN	3/22/2000	3/22/2000 1100 0000 0000 0000 0111 CYAN TONER(11) AR-2000 0000 0000 0000 0111	CYAN TONER (11)	AR-2000	0000 0000 0000 0111		1 (No. 4)
					1110 0000 0000 0000		1 (IVO. 4)
PHOTOSENSITIVE	N/A	N/A	N / A	N /4	7/14		
BODY	11/11	11/13	N/A	IN/A	IN/A	N/A	N/A

FIG. 10 (b) SPARE CARTRIDGE DATA

TIMES COLLECTED THE NUMBER OF CANCEL AR-2000 | 0000 0000 0101 0001 | NEW (SPARE) REGISTER 0000 0000 0000 0101 NEW (SPARE) AR-2000 0000 0000 1101 NEW (SPARE) CURRENT STATUS IN USE IN USE IN USE IN USE AR-2000 0000 0000 0101 0000 0000 0000 0000 0100 AR-2000 0000 0000 0000 1100 AR-2000 0000 0000 0000 0111 03/22/2000/16:45 CONFIRM UNIQUE DATA AR-2000 AR-2000 MODEL DATE DATA SPARE CARTRIDGE DATA 0100 0000 0000 0000 0100 YELLOW TONER(01) 1000 0000 0000 0000 1100 MAGENTA TONER(10) COLOR DATA (FIRST TWO DIGITS) 1000 0000 0000 0000 1101 MAGENTA TONER(10) 0100 0000 0000 0000 0101 YELLOW TONER(01) 0000 0000 0000 0101 0000 BLACK TONER(00) CYAN TONER (11) BLACK TONER (00) 1100 0000 0000 0111 0000 0000 0000 0101 0001 DATE OF INSTALLATION FULL DATA (FULL DIGITS) MACHINE MODEL | AR-2000 LIBRE 3/22/2000 3/22/2000 3/22/2000 3/22/2000 CONTRACT SIGNER ID 000125 DATE OF DELIVERY 3/22/2000 3/22/2000 3/22/2000 3/22/2000 3/22/2000 3/22/2000 3/22/2000

(SPARE)

AR-2000

3/22/2000

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FIG. 11 (a) INSTALLED CARTRIDGE DATA

MACHINE MODEL AR-2000 LIBRE CONTRACT SIGNER ID 000125

advr andronan	DATE OF	II	INSTALLED CARTRIDGE DATA	3 DATA		THE NUMBER OF	CORRESPONDING SPARE CARTRIDGE
CANTAIDUE IILE	REPLACEMENT	FULL DATA (FULL DIGITS)	COLOR DATA (FIRST MODEL TWO DIGITS) DATA	MODEL DATA	UNIQUE DATA	TIMES COLLECTED N	No.
BLACK	6/12/2000	6/12/2000 0000 0000 0000 0101 0001 BLACK TONER(00) AR-2000 0000 0000 0101 0001	BLACK TONER (00)	AR-2000	0000 0000 0101 0001		0 (No. 5)
YELLOW	3/22/2000	3/22/2000 0100 0000 0000 0000 0100 YELLOW TONER(01) AR-2000 0000 0000 0100	YELLOW TONER(01)	AR-2000	0000 0000 0100	0	1 (No. 2)
MAGENTA	3/22/2000	1000 0000 0000 0000 1100 MAGENTA TONER(10) AR-2000 0000 0000 0000 1100	MAGENTA TONER (10)	AR-2000	0000 0000 0000 1100	0	1 (No. 3)
CYAN	3/22/2000	3/22/2000 1100 0000 0000 0000 0111 CYAN TONER(11) AR-2000 0000 0000 0111	CYAN TONER (11)	AR-2000	0000 0000 0111	0	1 (No. 4)
PHOTOSENSITIVE	N / N	N/N	N / N	N /4	N1 / A	,,	
BODY	IN/ A	N/A	N/A	N/A	N/A	N/A	N/A

FIG. 11 (b) SPARE CARTRIDGE DATA

		CEL	THE NUMBER OF	TIMES COLLECTED  N	~~										
		CANCEL	THE NO	TIMES CC	3			0		0	0	0			
		REGISTER	ervaddiro	STATUS	USED	IN USE	IN USE	IN USE	IN USE	NEW (SPARE)	NEW (SPARE)	NEW (SPARE)			
	06/12/2000/10:56	CONFIRM		UNIQUE DATA	AR-2000 0000 0000 0101 0000	0000 0000 0000 0100	0000 0000 1100	AR-2000 0000 0000 0000 0111	AR-2000 0000 0000 0101 0001	AR-2000 0000 0000 0000 0101 NEW (SPARE)	0000 0000 0000 1101	AR-2000 0000 0000 0000 1000 NEW (SPARE)			
	DATE		DATA	MODEL DATA		AR-2000	AR-2000	AR-2000	AR-2000	l	AR-2000	AR-2000			
			SPARE CARTRIDGE DATA	COLOR DATA (FIRST TWO DIGITS)	BLACK TONER (00)	YELLOW TONER (01)	MAGENTA TONER(10)	CYAN TONER(11)	BLACK TONER (00)	YELLOW TONER(01)	MAGENTA TONER(10)	CYAN TONER (11)			
	ы			FULL DATA (FULL DIGITS)	0000 0000 0000 0101 0000 BLACK TONER(00)	0100 0000 0000 0000 0100 YELLOW TONER(01) AR-2000 0000 0000 0000 0100	3/22/2000 1000 0000 0000 0000 1100 MAGENTA TONER(10) AR-2000 0000 0000 1100	3/22/2000 1100 0000 0000 0000 0111 CYAN TONER(11)	0000 0000 0000 0101 0001 BLACK TONER(00)	0100 0000 0000 0000 0101 YELLOW TONER(01)	1000 0000 0000 0000 1101 MAGENTA TONER(10) AR-2000 0000 0000 0000 1101 NEW (SPARE)	1100 0000 0000 0000 1000 CYAN TONER(11)			
	AR-2000 LIBR	000125	DATE OF	INSTALLATION	3/22/2000	3/22/2000	3/22/2000	3/22/2000	6/12/2000			ļ			
	MACHINE MODEL   AR-2000 LIBRE	CONTRACT SIGNER ID 000125		No. DATE OF DELIVERY INSTALLATION	3/22/2000	3/22/2000	3/22/2000	3/22/2000	3/22/2000	3/22/2000	3/22/2000	3/22/2000	•	•	
 		·		No.	1	2	3	4	2	9	7	8	6	10	

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FIG. 12 (a) INSTALLED CARTRIDGE DATA

MACHINE MODEL AR-2000 LIBRE

CONTRACT SIGNER ID 000125

CAPTRIBLE TVDE	DATE OF	NI	INSTALLED CARTRIDGE DATA	3 DATA		THE NUMBER OF	CORRESPONDING SPARE CARTRIDGE
CARINIDOE 11FE	REPLACEMENT	FULL DATA (FULL DIGITS)	(FULL DIGITS) COLOR DATA (FIRST TWO DIGITS)	MODEL DATA	UNIQUE DATA	COLLECTED N	No.
BLACK	6/12/2000   0000 0000		BLACK TONER (00)	AR-2000	0000 0101 0001 BLACK TONER(00) AR-2000 0000 0000 0101 0001	I	1 (No. 5)
YELLOW	3/22/2000 0100 0000		YELLOW TONER (01)	AR-2000	0000 0000 0100 YELLOW TONER(01) AR-2000 0000 0000 0000 0100	0	1 (No. 2)
MAGENTA	3/22/2000 1000 0000		MAGENTA TONER (10)	AR-2000	0000 0000 1100 MAGENTA TONER(10) AR-2000 0000 0000 0000 1100	0	1 (No. 3)
CYAN	3/22/2000 1100 0000		CYAN TONER(11)	AR-2000	0000 0000 0111 CYAN TONER(11) AR-2000 0000 0000 0000 0111	0	1 (No. 4)
PHOTOSENSITIVE RODY	N/A	N/A	N/A	N/A	N/A	N/A	N/A

# FIG. 12 (b) SPARE CARTRIDGE DATA

	CANCEL	THE NUMBER OF	TIMES COLLECTED  N	3	0	0	0	I		1	1	2		
	REGISTER	CITDDENA	STATUS	CESO	IN USE	IN USE	IN USE	IN USE	COLLECTED	COLLECTED	COLLECTED	NEW (SPARE)		
06/20/2000/10:56	CONFIRM		UNIQUE DATA	AR-2000 0000 0000 0101 0000	AR-2000 0000 0000 0000 0100	0000 0000 1100	AR-2000 0000 0000 0000 0111	AR-2000 0000 0000 0101 0001	AR-2000 0000 0000 0000 0101	AR-2000 0000 0000 1101	AR-2000 0000 0000 1000	AR-2000 0000 0000 0101 0010 NEW (SPARE)		
DATE		ATA	MODEL DATA	AR-2000		AR-2000	AR-2000	AR-2000	AR-2000	AR-2000	AR-2000	AR-2000		
		SPARE CARTRIDGE DATA	COLOR DATA (FIRST TWO DIGITS)	BLACK TONER (00)	YELLOW TONER(01)	MAGENTA TONER (10)	CYAN TONER(11)	BLACK TONER(00)	YELLOW TONER(01)	MAGENTA TONER (10)	CYAN TONER(11)	BLACK TONER(00)		
Ħ			DATA (FULL DIGITS)	0000 0000 0000 0101 0000 BLACK TONER(00)	0100 0000 0000 0000 0100 YELLOW TONER(01)	1000 0000 0000 0000 1100 MAGENTA TONER(10) AR-2000 0000 0000 1100	1100 0000 0000 0000 0111 CYAN TONER(11)	0000 0000 0000 0101 0001 BLACK TONER(00)	0100 0000 0000 0000 0101 YELLOW TONER(01)	1000 0000 0000 0000 1101 MAGENTA TONER(10)	1100 0000 0000 0000 1000 CYAN TONER(11)	0000 0000 0000 0101 0010		
AR-2000 LIBR	000125	DATÉ OF	$\vdash$	3/22/2000	3/22/2000	3/22/2000	3/22/2000	6/12/2000	COLLECTED	COLLECTED	COLLECTED			
MACHINE MODEL AR-2000 LIBRE	CONTRACT SIGNER ID 000125		No. DATE OF DELIVERY	3/22/2000	3/22/2000	3/22/2000	3/22/2000	3/22/2000	3/22/2000	3/22/2000	3/22/2000	6/20/2000	•	
I			9.	П	2	က	4	2	9	7	∞	6	10	_

FIG.13

ACCOUNTING LIST[1]

(PERIOD: MARCH 16, 2000 - APRIL 15, 2000)

CONTRACT SIGNER ID:000125 CONTRACT MODEL:AR-2000 LIBRE

No.	IPRODUCT	ACCOUNT FACTOR	DATE OF INSTALLATION	QUANTITY	UNIT PRICE	SUBTOTAL
1	BLACK TONER CARTRIDGE	k3	3/22/2000	1	Pb	Pb*k3
2	YELLOW TONER CARTRIDG	1	3/22/2000	1.	Ру	Ру
3	MAGENTA TONER CARTRID	1	3/22/2000	1	Pm	Pm
4	CYAN TONER CARTRIDGE	1	3/22/2000	1	Pc	Рс
5						
TOTAL				_	Δ	ΔΔΔ. Δ

ACCOUNTING LIST[2]

(PERIOD: APRIL 16, 2000 -MAY 15, 2000)

CONTRACT SIGNER ID: 000125 CONTRACT MODEL: AR-2000 LIBRE

No.	PRODUCT	ACCOUNT FACTOR	DATE OF INSTALLATION	QUANTITY	UNIT PRICE	SUBTOTAL
1	NO DATA					0
2						
3						
4						
5						
TOTAL						0

ACCOUNTING LIST[3]

(PERIOD: MAY 16, 2000 - JUNE 15, 2000)

CONTRACT SIGNER ID:000125 CONTRACT MODEL:AR-2000 LIBRE

No.	JPR(J)JII.I	ACCOUNT FACTOR	DATE OF INSTALLATION	QUANTITY	UNIT PRICE	SUBTOTAL
1 2 3 4 5	BLACK TONER CARTRIDGE	k1	6/12/2000	1	Pb	Pb*k1
TOTAL					<u> </u>	Pb*k1

FIG. 14

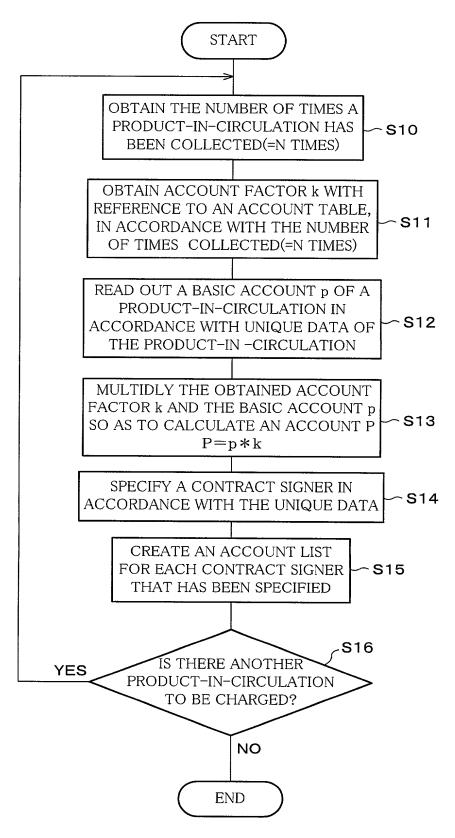


FIG. 15

### ACCOUNT FACTOR TABLE [1]

NUMBER OF TIMES COLLECTED(=N TIMES)	ACCOUNT FACTOR k
N 0 : 0	k 0 = 1
N 1 : 1	k 1
N 2 : 2	k 2
N3:3	k 3
N4:4	k 4

However,  $k0 > k1 > k2 \cdots$ 

### man and the first sent than the first the first than the first tha

FIG.16 (a)

BASIC ACCOUNT TABLE [1]

UNIQUE DATA	REMARKS	BASIC ACCOUNT p
XXXX XXXX XXXX XXXX 0000	BLACK TONER CARTRIDGE FOR AR-2000	p 1
i	•••	:
0100 XXXX XXXX XXXX XXXX	YELLOW TONER CARTRIDGE FOR AR-2000	p 2
:	•••	:
1000 XXXX XXXX XXXX XXXX	MAGENTA TONER CARTRIDGE FOR AR-2000	p 3
:	::	
1100 XXXX XXXX XXXX XXXX	CYAN TONER CARTRIDGE FOR AR-2000	p 4
:	•••	
-		

XXXX IS ARBITRARY 0 or 1

### FIG.16 (b)

BASIC ACCOUNT TABLE [2]

UNIQUE DATA	REMARKS	BASIC ACCOUNT p'
0010 0000 XXXX XXXX XXXX	0010 0000 XXXX XXXX ;APPLICATION SOFTWARE "DATA SEARCH"	p 1,
:	:	
0010 0001 XXXX XXXX XXXX	0010 0001 XXXX XXXX XXXX ;APPLICATION SOFTWARE "TRANSLATION ASSISTANT"	p 2,
•		i
1100 XXXX XXXX XXXX UNRECORDED VHS TAPE	UNRECORDED VHS TAPE	p 3,
••	:	:
1101 XXXX XXXX XXXX UNRECORDED DV TAPE	UNRECORDED DV TAPE	p 4,
•••		:
0100 0000 XXXX XXXX XXXX	XXXX DVD VIDEO "XXX"	p 5 '
		•

XXXX IS ARBITRARY 0 or 1

FIG. 17 (a)

DEMARKS			CONTRACT	1
			-,,,	3
I CURRENT DATA AND	TIME	:	3/22/2000	ı

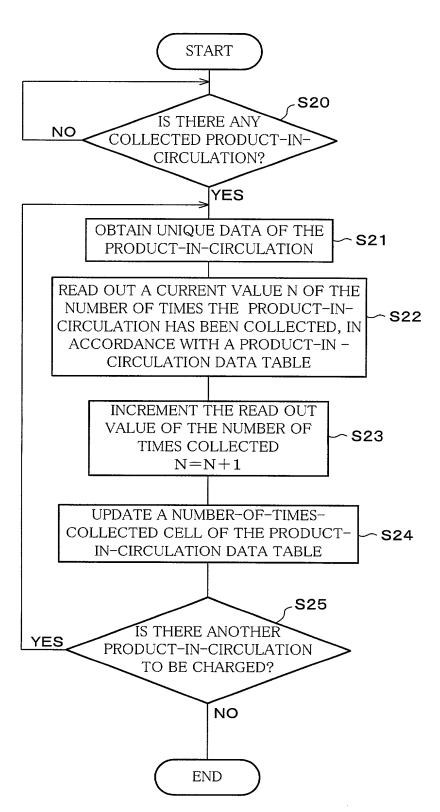
UNIQUE DATA	REMARKS	CONTRACT SIGNER ID
0000 0000 0000 0000 0000 0000 0000 000		001604 001604
0000 0000 0000 0101 0000	BLACK TONER CARTRIDGE	000125
0000 0000 0000 0101 0001 0000 0000 0000	FOR AR-2000	000125 000209
•••		•••
0100 0000 0000 0000 0000	YELLOW TONER CARTRIDGE	003161
0100 0000 0000 0000 0100 0100 0000 0000	FOR AR-2000	000125 000125
1000 0000 0000 0000 0000		03161
1000 0000 0000 0000 1100	MAGENTA TONER	000125
1000 0000 0000 0000 1101	CARTRIDGE FOR AR-2000	000125
1100 0000 0000 0000 0000	CYAN TONER CARTRIDGE	03161
1100 0000 0000 0000 0111	FOR AR-2000	000125
1100 0000 0000 0000 1000	•••	000125

FIG. 17 (b)

CURRENT DATA AND TIME: 6/20/2000							
	CU	JRRENT	DATA	AND	TIME	•	6/20/2000

UNIQUE DATA	REMARKS	CONTRACT SIGNER ID
0000 0000 0000 0000 0000		001604
0000 0000 0000 0000 0001		_
•••	DI ACK TONED CARTRIDGE	•••
0000 0000 0000 0101 0000	BLACK TONER CARTRIDGE	000125
0000 0000 0000 0101 0001	FOR AR-2000	000125
0000 0000 0000 0101 0010		000209
•••		•••
0100 0000 0000 0000 0000		003161
	YELLOW TONER CARTRIDGE FOR AR-2000	•••
0100 0000 0000 0000 0100		000125
0100 0000 0000 0000 0101	FOR AR-2000	102611
•••		•••
1000 0000 0000 0000 0000		03161
•••	MAGENTA TONER CARTRIDGE FOR AR-2000	•••
1000 0000 0000 0000 1100		000125
1000 0000 0000 0000 1101		102611
1100 0000 0000 0000 0000		03161
•••	CYAN TONER CARTRIDGE	•••
1100 0000 0000 0000 0111	FOR AR-2000	000125
1100 0000 0000 0000 1000		102611
	•••	•••

FIG. 18



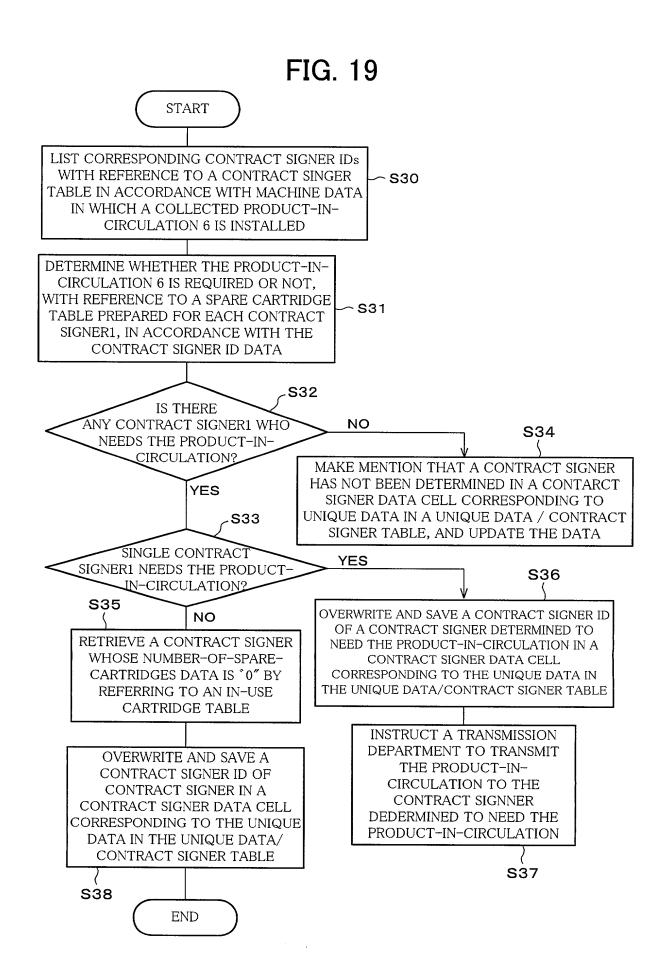


FIG. 20

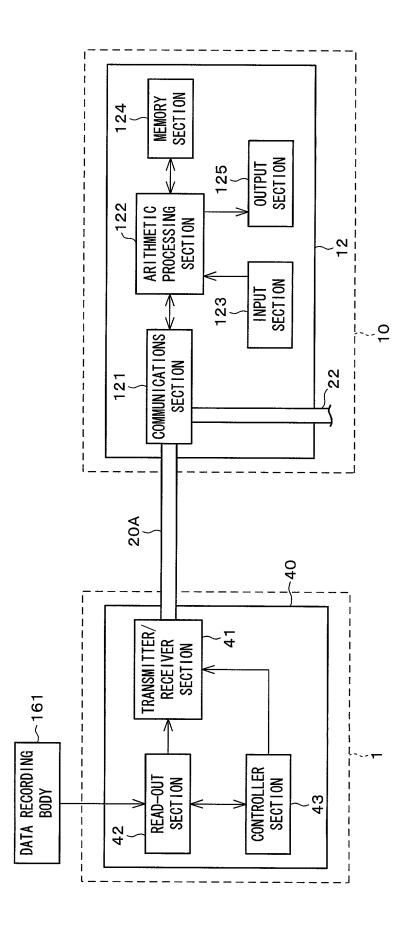


FIG. 21 (a)

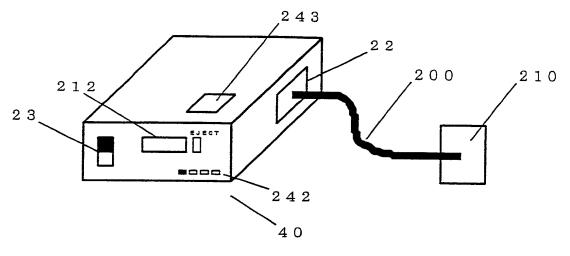


FIG. 21 (b)

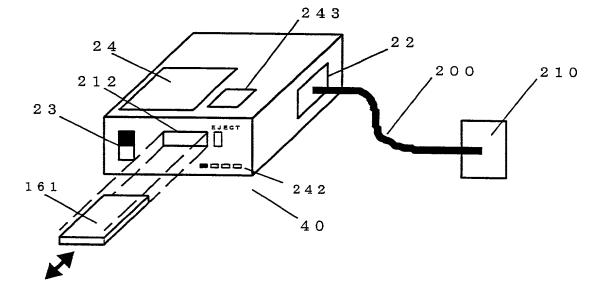


FIG. 22 (a)

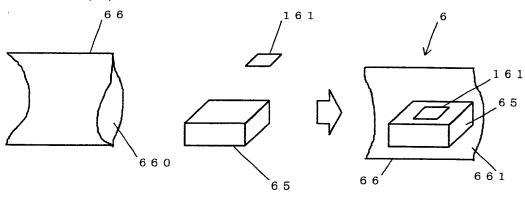


FIG. 22 (b)

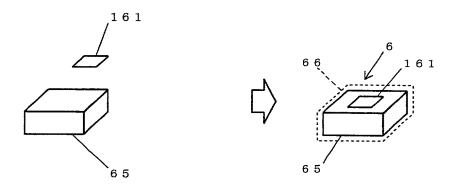


FIG. 22 (c)

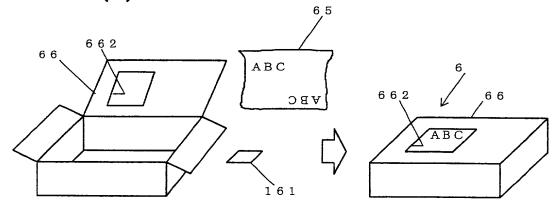


FIG. 23 (a)

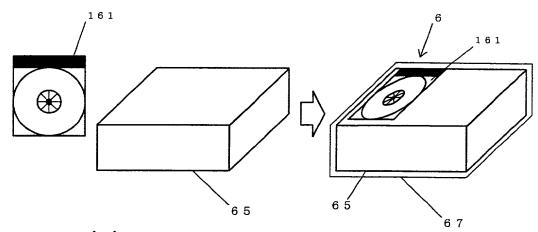


FIG. 23 (b)

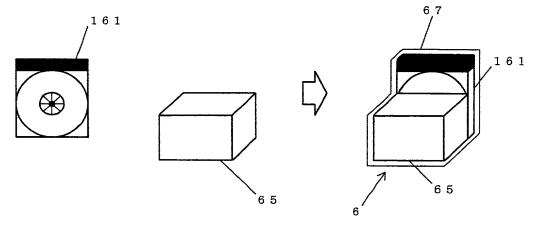


FIG. 23 (c)

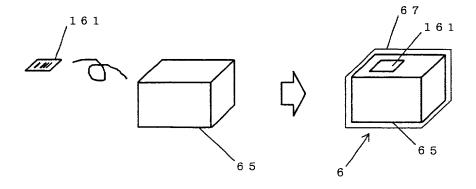


FIG. 24 (a)

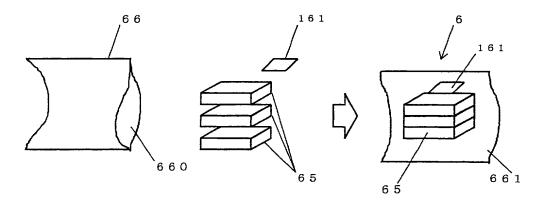


FIG. 24 (b)

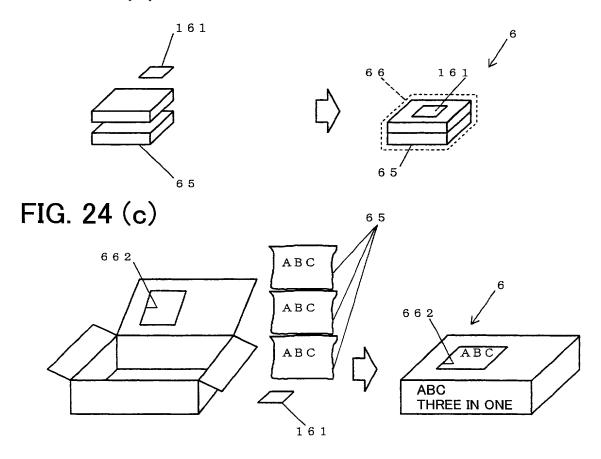


FIG. 25 (a)

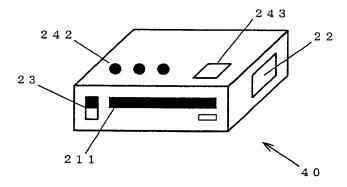


FIG. 25 (b)

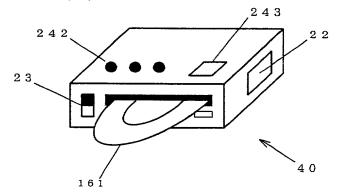
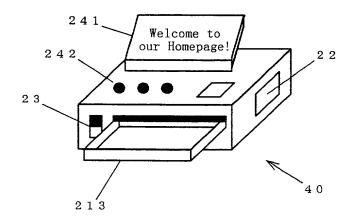


FIG. 25 (c)



### TERMINAL STATION TABLE

### **CUSTOMER TABLE**

TERMINAL STATION ID	CONTRACT SIGNER ID		CONTRACT SIGNER ID	NAME	REMARKS
000001	000001		000001	$\triangle \triangle \triangle \triangle$	PRIVATE
000002	216320		000002		PRIVATE
000003	002560		000003	0 00	CORPORATE
000004	380905		000004		PRIVATE
000005	102611		000005		
			•		
•			•		
•			•		
		:	•		

FIG. 27

CONTRACT SIGNER ID: 000125

			PURCHASE STATUS	N/A										
		THE NUMBER	OF TIMES COLLECTED N	N/A										
			REMARKS 2	N/A										
	THIRD LEVEL		REMARKS 1	N/A										
E DATA	THIR		TITLE	N/A										
SPARE ARTICLE DATA			THIRD LEVEL CODE	N/A										
SPAF	SECOND LEVEL	יוטאיטט י	SECOND	N/A									:	
	SECONT	JECOM	SECOND LEVEL CODE	N/A										
	TOD I EVEL	יויויייי	TOP LEVEL	N/A										
	TOD	101	TOP LEVEL CODE	N/A										
		FULL DATA	)	N/A										
		DATE OF	Tc	I										
		DATE OF	Tp	1										
		DATE OF	ro. Derivent	N/A								•	•	
		Ž.		1	2	က	4	5	9	7	8	6	10	11

## The first train the first train that the first train t

FIG. 28

CONTRACT SIGNER ID: 000125

				,	,		,							
		dollogia	PURCHASE STATUS	NEW (SPARE)	NEW (SPARE)	NEW (SPARE)	NEW (SPARE)	NEW (SPARE)						
		THE NUMBER	OF TIMES COLLECTED N	1	1	2	0	2						
			REMARKS 2	FOR PC USE	"	"	11	FOR "DIGITAL VIEW						
	THIRD LEVEL		REMARKS 1	DATA SEARCH, EXPLOITATION SOFTWARE	JAPANESE ENGLISH TRANSLATION ASSISTANT	INTERNET USABILITY ENHANCEMENT SOFTWARE	GENERAL USE (FIVE IN ONE PACK)	GENERAL USE (FIVE IN ONE PACK)						
SPARE ARTICLE DATA	THIR		TITLE	"DATA SEARCH"	"TRANSLATION ASSISTANT"	"INTERNET SUPPORT"	l	1						
RE ARTI			THIRD LEVEL CODE	0000	0001	0010	N/A	N/A						
SPA	SECOND 1 EVE	LEVEL	SECOND	APPLI- CATION SOFTWARE	APPLI- CATION SOFTWARE	APPLI- CATION SOFTWARE	NHS	DΛ						
	SECOND	SECOND	SECOND LEVEL CODE	10	10	10	00	01						
	FVFI	عاتا لانار	TOP LEVEL	CD-ROM	CD-ROM	CD-ROM	EMPTY MEDIUM	EMPTY MEDIUM						
	TOP I RVEI	101	TOP LEVEL CODE	00	00	00	11	11						
		FULL DATA	(RULL DIGITS)	0010 0000 0000 0101 0000	0010 0000 0000 1000 0100	0010 0010 0000 0100	1100 0000 0000 0000 0111	1101 0000 0000 0101 0001						
		DATE OF			l	1	1	1						
		DATE OF	Tp	1	I	ı	ı	1						
		DATE OF	DELLYENI	3/1/2000	3/1/2000	3/1/2000	3/1/2000	3/1/2000				•	•	
1		Ĭ,	·		- 23	က	4	5	9	7	8	6	10	11

## 

FIG. 29

CONTRACT SIGNER ID: 000125

							SPAI	SPARE ARTICLE DATA	LE DATA				
0	DATE OF DATE OF	DATE OF	THE DATE	TOP I	TOP LEVEL	SECOND	SECOND LEVEL		THIR	THIRD LEVEL		THE MIMRER	
100 A		<u> </u>	FULL DIGITS)	TOP LEVEL CODE	TOP	SECOND LEVEL CODE	SECOND	THIRD LEVEL CODE	TITLE	REMARKS 1	REMARKS 2	OF TIMES COLLECTED N	PURCHASE STATUS
11 8	3/1/2000 3/10/2000	- 0	0010 0000 0000 0101 0000	00	CD-ROM	10	APPLI- CATION SOFTWARE	0000	"DATA SEARCH"	DATA SEARCH, EXPLOITATION SOFTWARE	FOR PC USE	1	PURCHASED
2 3/1/2000	- 00	-	0010 0000 0000 0100	00	CD-ROM	10	APPLI- CATION SOFTWARE	0001	"TRANSLATION ASSISTANT"	JAPANESE ENGLISH TRANSLATION ASSISTANT	ll	1	NEW (SPARE)
3 3/1/2000	- 0(	l	0010 0010 0000 0100	00	CD-ROM	10	APPLI- CATION SOFTWARE	0010	"INTERNET SUPPORT"	INTERNET USABILITY ENHANCEMENT SOFTWARE	И	23	NEW (SPARE)
4 3/1/2000	- 00	I	1100 0000 0000 0111	11	EMPTY	00	SHA	N/A		GENERAL USE (FIVE IN ONE PACK)	И	0	NEW (SPARE)
1 8	5 3/1/2000 3/18/2000	- 0	1101 0000 0000 0101 0001	11	EMPTY	01	DV	N/A	l	GENERAL USE (FIVE IN ONE PACK)	FOR "DIGITAL VIEW	2	PURCHASED
I													
1													
l .										imin :			
l										_			
I													

FIG. 30

CONTRACT SIGNER ID: 000125

								SPA	SPARE ARTICLE DATA	CLE DATA				
					TOD I	TOP I EVEI	CECOND	SECOND LEVEL		THIR	THIRD LEVEL			
DATE OF DATE OF			DATE OF	FULL DATA	101	LEVEL	DECOIND	רבעפר					THE NUMBER	
Tp		<u>ــــــــــــــــــــــــــــــــــــ</u>	Tc	(FULL DIGITS)	TOP LEVEL CODE	TOP LEVEL	SECOND LEVEL CODE	SECOND	THIRD LEVEL CODE	TITLE	REMARKS 1	REMARKS 2	OF TIMES COLLECTED N	PURCHASE STATUS
1 3/1/2000 3/10/2000	3/10/2000			0010 0000 0000 0101 0000	00	CD-ROM	10	APPLI- CATION SOFTWARE	0000	"DATA SEARCH"	DATA SEARCH, EXPLOITATION SOFTWARE	FOR PC USE	1	PURCHASED
2 3/1/2000 —	l		4/1/2000	4/1/2000 0010 0001 0000 0000 0100	00	CD-ROM	10	APPLI- CATION SOFTWARE	1000	"TRANSLATION ASSISTANT"	JAPANESE ENGLISH TRANSLATION ASSISTANT	11	-	COLLECTED
3 3/1/2000 —	1		4/1/2000	4/1/2000 0010 0010 0000 0000 1100	00	CD-ROM	10	APPLI- CATION SOFTWARE	0010	"INTERNET SUPPORT"	INTERNET USABILITY ENHANCEMENT SOFTWARE	11	2	COLLECTED
4 3/1/2000 —	l		4/1/2000	1100 0000 0000 0000 0111	11	EMPTY MEDIUM	00	VHS	N/A	l	GENERAL USE (FIVE IN ONE PACK)	ll	0	COLLECTED
3/1/2000 3/18/2000	3/18/2000		-	1101 0000 0000 0101 0001	11	EMPTY MEDIUM	01	DΛ	N/A	[	GENERAL USE (FIVE IN ONE PACK)	FOR "DIGITAL VIEW	2	PURCHASED
6 4/1/2000 —	I		_	1110 0000 0000 0000 0101	11	EMPTY MEDIUM	10	MD	N/A	-	GENERAL USE (FIVE IN ONE PACK)		2	NEW (SPARE)
7 4/1/2000 —	ı		-	0010 0011 0000 0000 1101	00	CD-ROM	10	APPLI- CATION SOFTWARE	0011	"EMAIL"	INTERNET EMAIL SOFTWARE	FOR PC USE	3	NEW (SPARE)
4/1/2000 —	I		_	0100 0000 0000 1000	01	DVD	00	MOVIE	0000	"XXX"	WITH SUBTITLE		1	NEW (SPARE)
•			:					!						
•														
		•	_			_		•	•	•	•	•	•	

## The state of the s

FIG. 31

CONTRACT SIGNER ID: 000125

_	T		7	II		1		r						
		C. I.	STATUS ON PURCHASE	PURCHASED	PURCHASED	NEW (SPARE)	NEW (SPARE)	NEW (SPARE)						
		THE NUMBER	OF TIMES COLLECTED N	1	2	2	3	1					į	
			REMARKS 2	FOR PC USE	FOR "DIGITAL VIEW		FOR PC USE							
	THIRD LEVEL		REMARKS 1	DATA SEARCH, EXPLOITATION SOFTWARE	GENERAL USE (FIVE IN ONE PACK)	GENERAL USE (FIVE IN ONE PACK)	INTERNET EMAIL SOFTWARE	WITH SUBTITLE						
SPARE ARTICLE DATA	THIR		TITLE	"DATA SEARCH"		-	"EMAIL"	"XXX"						
IRE ARTI			THIRD LEVEL CODE	0000	N/A	N/A	1100	0000						
SP/	SECOND LEVEL	רביינים	SECOND	APPLI- CATION SOFTWARE	DΛ	MD	APPLI- CATION SOFTWARE	MOVIE						
	SECOND	OLOGO OLOgo OLOgo OLOgo OLog OLog	SECOND LEVEL CODE	10	01	10	10	00						
	FVRI	15 V 31.	TOP LEVEL	CD-ROM	EMPTY MEDIUM	EMPTY MEDIUM	CD-ROM	ava						
	TOP I FVFI	101	TOP LEVEL CODE	00	11	11	00	01						
			FULL DATA (FULL DIGITS)	0010 0000 0000 0101 0000	1101 0000 0000 0101 0001	1110 0000 0000 0000 0101	0010 0011 0000 0000 1101	0100 0000 0000 1000						
	DATE OF COLLECTION Tc				ľ	1	1	-						
		DATE OF	Tp	3/10/2000	3/8/2000	Ι	I	I						
		DATE OF	Td	3/1/2000 3/10/2000	3/1/2000	3 4/1/2000	4 4/1/2000	5 4/1/2000				•	•	
		Š	2	1	2	က	4	5	9	7	∞	6	10	11

### FIG.32

ACCOUNTING LIST[4]

(PERIOD: FEBRUARY 16, 2000 - MARCH 15, 2000)

CONTRACT SIGNER ID: 000125

CONTRACT MODEL: GENERAL MACHINE

No.	PRODUCT	ACCOUNT FACTOR	DATE OF INSTALLATION	QUANTITY	UNIT PRICE	SUBTOTAL
1	APPLICATION SOFTWARE "Datahunter"	k1	3/10/2000	1	p1'	p1'*k1
2						
3						
4						
5						
TOTAL	-				Δ	ΔΔΔ. Δ

ACCOUNTING (PERIOD: MARCH 16, 2000 -APRIL 15, 2000)

CONTRACT SIGNER ID: 000125 CONTRACT MODEL:

No.	PRODUCT	ACCOUNT FACTOR	DATE OF INSTALLATION	QUANTITY	UNIT PRICE	SUBTOTAL
1 2 3 4 5	DV CASSETTE	k2	3/18/2000	1	p4'	p4'*k2
TOTAL						

FIG. 33

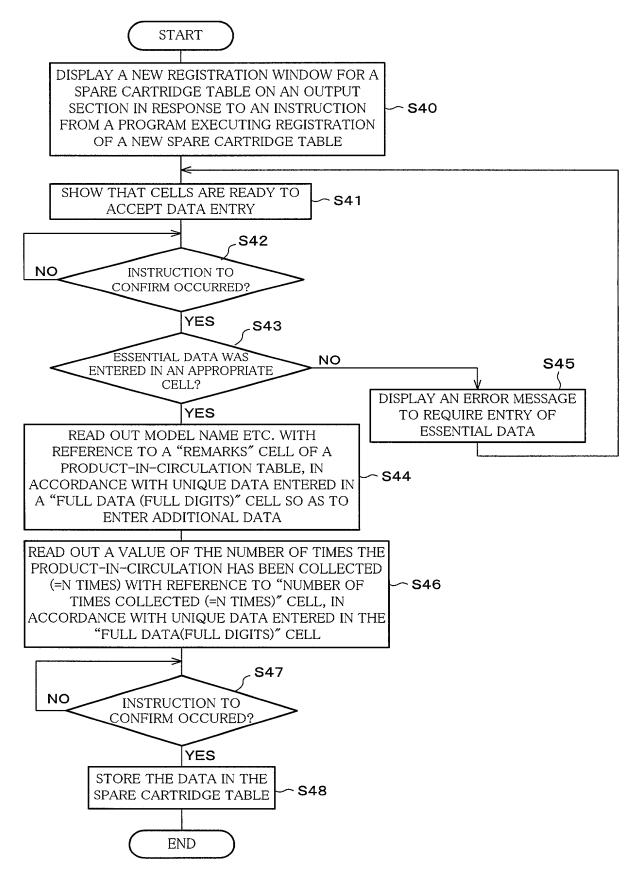


FIG. 34

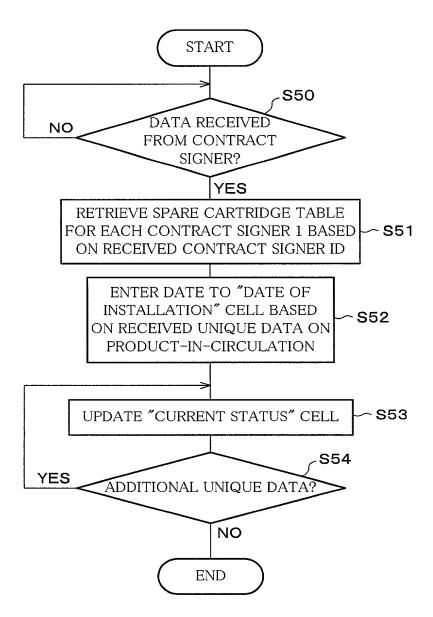


FIG. 35

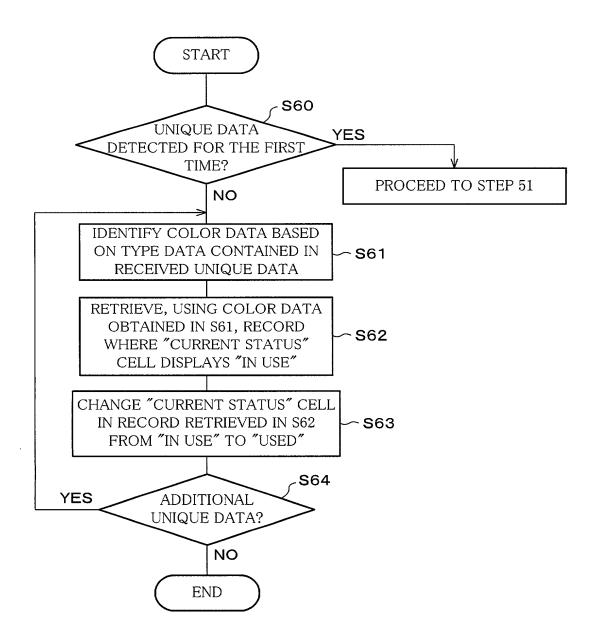


FIG. 36

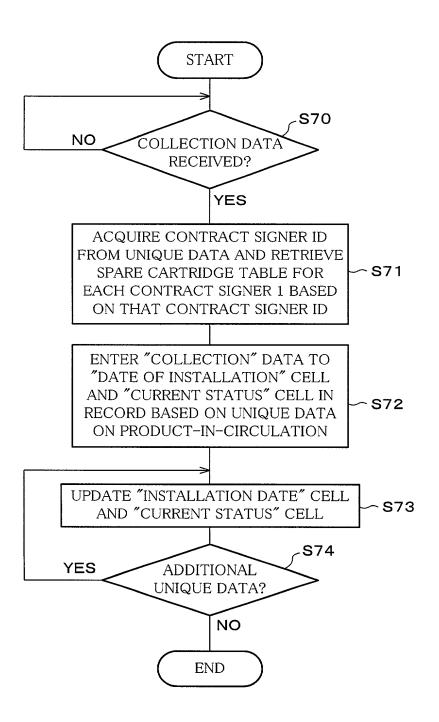
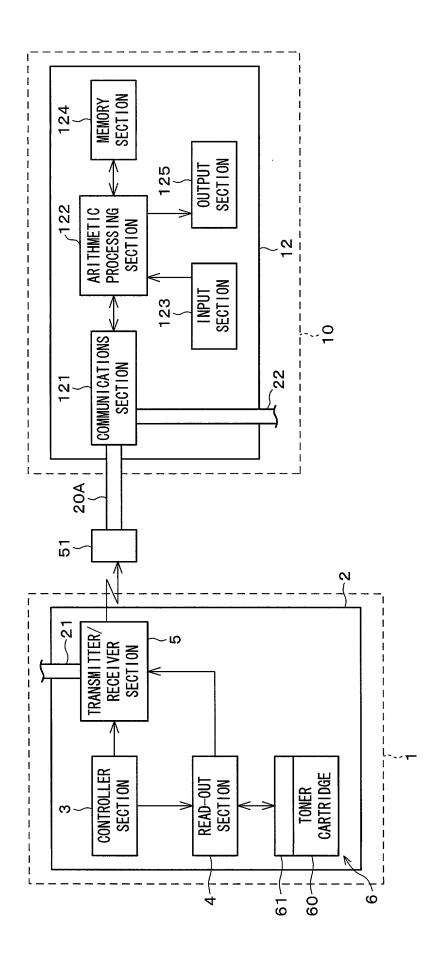


FIG. 37



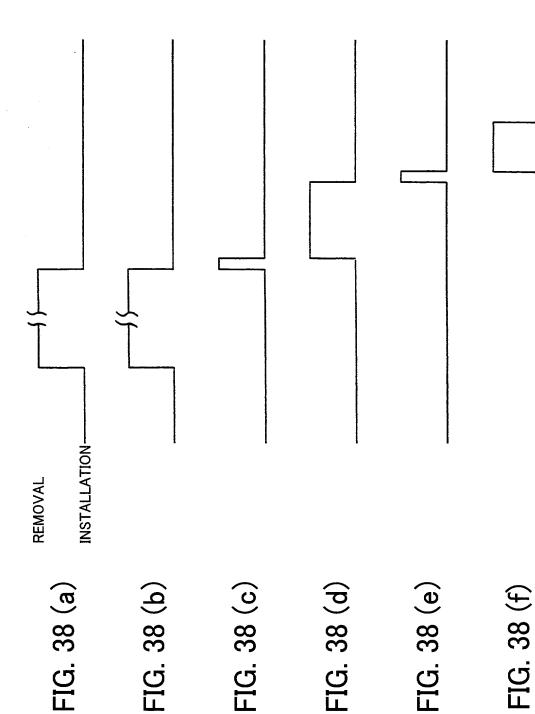


FIG. 39

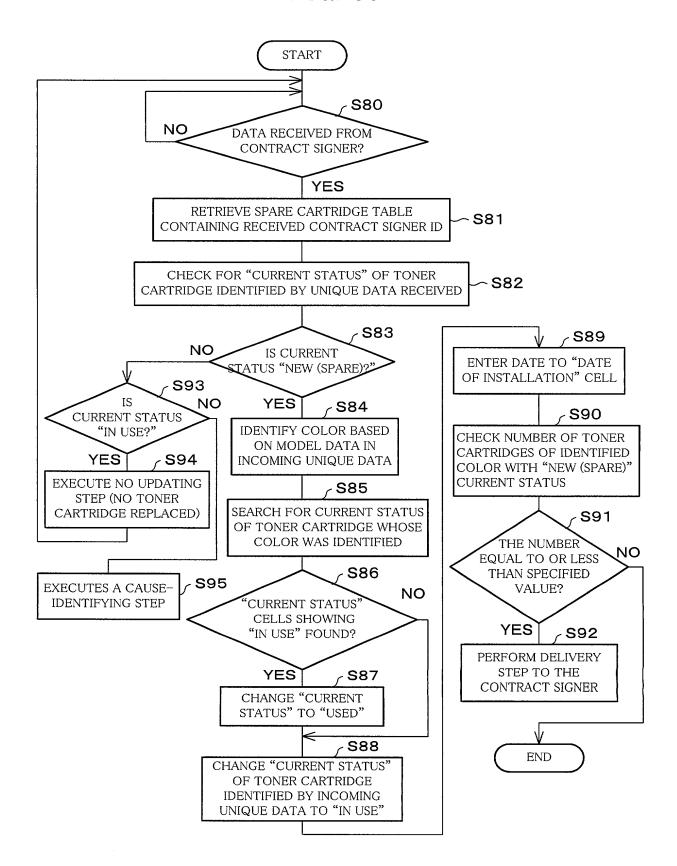
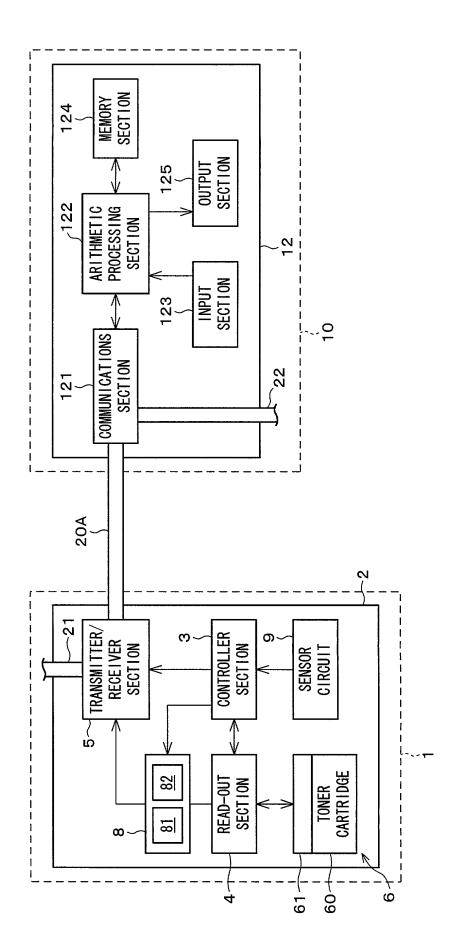


FIG. 40



### FIG. 41 (a)

ADVANCE REQUEST PAGE
ENTER YOUR CONTRACT SIGNER ID
SELECT ONE OR MORE PRODUCT GROUPS THAT YOU WISH TO BE DELIVERED IN ADVANCE.
<ul> <li>✓ ·OFFICE SUPPLIES</li> <li>✓ ·ENTERTAINMENT PRODUCTS</li> <li>✓ ·EVERYDAY COMMODITIES</li> </ul>
SEND CLEAR
FIG. 41 (b)
ADVANCE REQUEST PAGE
SELECT ONE OR MORE PRODUCTS THAT YOU WISH TO BE DELIVERED IN ADVANCE.
✓ ·SOFTWARE FOR PC ✓ ·WESTERN MOVIES (ON DVD) ✓ ·JAPANESE MOVIES (ON DVD)

### FIG. 41 (c)

• JAPANESE MOVIES (ON DVD)

• • •
<pre><form action="&gt;&lt;/pre&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;pre&gt;&lt;INPUT TYPE=" checkbox"="" name="0210">·SOFTWARE FOR PC </form></pre>
<pre><input name="0220" type="checkbox"/> WESTERN MOVIES (ON DVD) BR&gt;</pre>
<pre><input name="0230" type="checkbox"/>•JAPANESE MOVIES (ON DVD)  </pre>
•••
• • •

SEND

### FIG. 41 (d)

DATA	NUMBER OF REPLIES
0210	84
0220	173
0230	50
• • •	

### FIG. 41 (e)

CLEAR

ARTICLE NAME
SOFTWARE FOR PC
WESTERN MOVIES (ON DVD)
JAPANESE MOVIES (ON DVD)

### FIG. 42 (a)

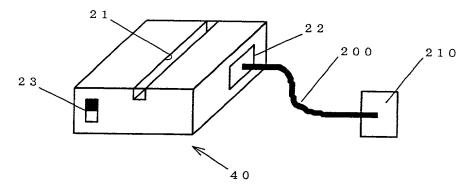


FIG. 42 (b)

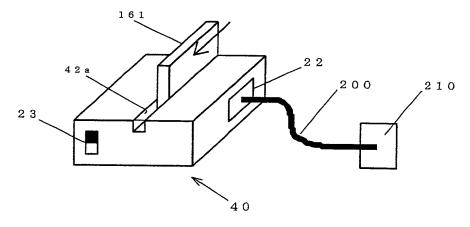


FIG. 42 (c)

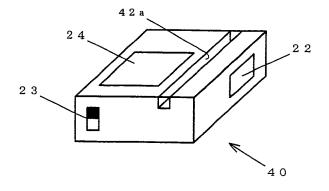


FIG. 43 (a)

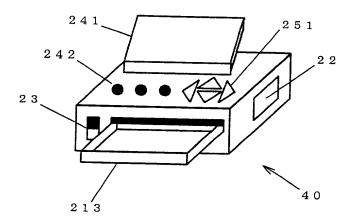


FIG. 43 (b)

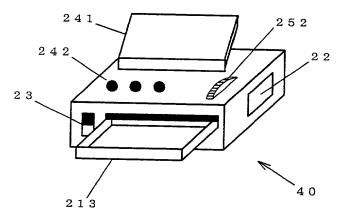


FIG. 43 (c)

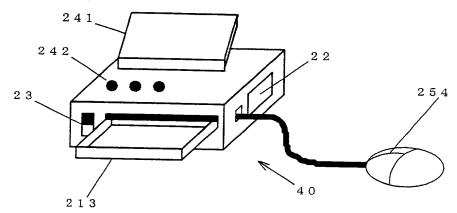


FIG. 44

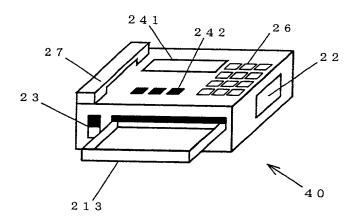


FIG. 45 (a)

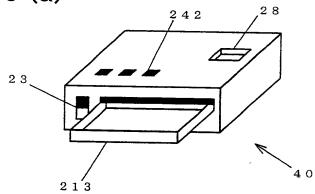


FIG. 45 (b)

2 4 2

2 3

4 0

### FIG.46(a)

### PRODUCT-IN-CIRCULATION TABLE [1]

CURRENT DATA AND TIME Tp: 10/28/2000

UNIQUE DATA	REMARKS ON PRODUCT-IN- CIRCULATION TABLE	"USE-BY" DATE T	ACCOUNTING
0000 0000 0000 0101 0000		5/14/2000	CHARGED
0000 0000 0000 0101 0001	BLACK TONER CARTRIDGE	5/14/2000	UNCHARGED
0000 0000 0000 0101 0010	FOR AR-2000	5/14/2000	UNCHARGED
•••		•••	•••
0100 0000 0000 0000 0100	VELLOW TONED OVERDINGE	11/1/2001	CHARGED
0100 0000 0000 0000 0101	YELLOW TONER CARTRIDGE FOR AR-2000	11/1/2001	UNCHARGED
•••	1 OI ( AI ( 2000	•••	•••
0100 0000 0000 0000 1100	MACENTA TONED CARTRIDGE	11/1/2001	CHARGED
0100 0000 0000 0000 1101	MAGENTA TONER CARTRIDGE FOR AR-2000	11/1/2001	UNCHARGED
•••	1 OI ( AI ( 2000	•••	•••
1100 0000 0000 0000 0111	CYAN TONER CARTRIDGE	11/1/2001	CHARGED
1100 0000 0000 0000 1000	FOR AR-2000	11/1/2001	UNCHARGED
•••	•••	•••	

### FIG.46(b)

### PRODUCT-IN-CIRCULATION TABLE [2]

CURRENT DATA AND TIME Tp: 10/28/2000

UNIQUE DATA	REMARKS	"USE-BY" DATE T	ACCOUNTING	
• • •		•••	***	
0010 0000 0000 0000 0000			CHARGED	
0010 0000 0000 0000 0001	APPLICATION SOFTWARE	12/31/2000	UNCHARGED	
0010 0000 0000 0000 0010	"DATA SEARCH" Ver. 1.0	12/31/2000	UNCHARGED	
•••			•••	
0010 0000 0000 1000 0000			CHARGED	
0010 0000 0000 1000 0001	APPLICATION SOFTWARE	5/31/2001	CHARGED	
0010 0000 0000 1000 0010	"DATA SEARCH" Ver. 2.0	3/31/2001	UNCHARGED	
•••			•••	
•••	•••		•••	
0010 0001 0000 0000 0000	ADDI IOATION COSTWARE		CHARGED	
0010 0001 0000 0000 0001	APPLICATION SOFTWARE "TRANSLATION ASSISTANT"	7/1/2001	CHARGED	
0010 0001 0000 0000 0010	TIVINOLATION AGGISTANT		UNCHARGED	
	•••	•••	•••	

## The state of the s

FIG. 47 (a) INSTALLED CARTRIDGE DATA

MACHINE MODEL AR-2000 LIBRE

CONTRACT SIGNER ID 000125

advi apdidigas	DATE OF		INSTALLED CARTRIDGE DATA	TRIDGE DAT	1	DATE OF	TIME REMAINING	CORRESPONDING SPARE CARTRIDGE
CANIMINATE III E	REPLACEMENT	FULL DATA (FULL DIGITS)	COLOR DATA (FIRST TWO DIGITS)	MODEL DATA	UNIQUE DATA	EXPIRY T	BEFORE EXPIRY Tr	No.
BLACK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
YELLOW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MAGENTA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CYAN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PHOTOSENSITIVE BODY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

FIG. 47 (b) SPARE CARTRIDGE DATA

03/21/2000/15:58	
DATE	
LIBRE	
MACHINE MODEL AR-2000	CONTRACT SIGNER ID 000125

## ment and a first sense and and the first sense and and a first sense and a first sen

FIG. 48 (a) INSTALLED CARTRIDGE DATA

MACHINE MODEL AR-2000 LIBRE

CONTRACT SIGNER ID 000125

adyr andigae	DATE OF	ŢĪ.	INSTALLED CARTRIDGE DATA	DATA		DATE OF	TIME REMAINING	CORRESPONDING SPARE CARTRIDGE
CAKIKIDGE IIFE	REPLACEMENT	FULL DATA (FULL DIGITS)	COLOR DATA (FIRST TWO DIGITS)	MODEL DATA	UNIQUE DATA	EXPIRY T	BEFORE EXPIRY Tr	No.
BLACK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
YELLOW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MAGENTA	N/A	N/A	N/A	N/A	N/A	V/N	N/A	N/A
CYAN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PHOTOSENSITIVE BODY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

## FIG. 48 (b) SPARE CARTRIDGE DATA

03/22/2000/15:58	
DATE	
LIBRE	
MODEL AR-2000	000125
MACHINE MODEL A	CONTRACT SIGNER ID
MA	CON

	DGE DATA	TRST MODEL UNIQUE DATA	0000 0000 0000 0101 0000 BLACK TONER(00)   AR-2000   0000 0000 0101 0000   NEW (SPARE)	0100 0000 0000 0000 0100 YELLOW TONER(01) AR-2000 0000 0000 0000 0100 NEW (SPARE)	1000 0000 0000 0000 1100 MAGENTA TONER(10) AR-2000 0000 0000 0000 1100 NEW (SPARE) 11/1/2001	(11) AR-2000 0000 0000 0111 NEW (SPARE)	0000 0000 0100 0101 0001 BLACK TONER(00) AR-2000 0000 0101 0001 NEW (SPARE) 12/14/2000	0100 0000 0000 0000 0101 YELLOW TONER(01) AR-2000 0000 0000 0001 NEW (SPARE) 11/1/2001	1000 0000 0000 0000 1101 MAGENTA TONER(10) AR-2000 0000 0000 0101 NEW (SPARE) 11/1/2001	(11) AR-2000 0000 0000 0000 1000 NEW (SPARE) 11/1/2001			
	SPARE CARTRIDGE DATA	LL DIGITS) COLOR DATA (FIRST TWO DIGITS)	0101 0000 BLACK TONER	0000 0100 YELLOW TONER	0000 1100 MAGENTA TONEF	1100 0000 0000 0000 0111 CYAN TONER(11)	0101 0001 BLACK TONER	0000 0101 YELLOW TONER	0000 1101 MAGENTA TONEF	1100 0000 0000 0000 1000 CYAN TONER(11)			
		IN FULL DATA (FUI	0000 0000 0000	0100 0000 0000	1000 0000 0000	1100 0000 0000	0000 0000 0000	0100 0000 0000	1000 0000 0000	1100 0000 0000			
1000169	חאת ב	INSTALLATION	_					[		-			
CUNTRACT STUNER ID 000123		No. DATE OF DELIVERY INSTALLATION FULL DATA (FULL DIGITS)	3/22/2000	3/22/2000	3/22/2000	3/22/2000	3/22/2000	3/22/2000	3/22/2000	3/22/2000	•	•	
_		0.	ī	2	3	4	ಬ	6	7	8	6	0	

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FIG. 49 (a) INSTALLED CARTRIDGE DATA

MACHINE MODEL AR-2000 LIBRE CONTRACT SIGNER ID 000125

5 GE						
CORRESPONDING SPARE CARTRIDGE	No.	1 (No. 1)	1 (No. 2)	1 (No. 3)	1 (No. 4)	N/A
TIME REMAINING	BEFORE EXPIRY Tr	Tr3	Tr1	Tr1	Trl	N/A
DATE OF	EXPIRY T	5/14/2000	11/1/2001	11/1/2001	11/1/2001	N/A
	UNIQUE DATA	0000 0000 0101 0000	0000 0000 0000 0100	0000 0000 0000 1100	0000 0000 0000 0111	N/A
3 DATA	MODEL DATA	AR-2000	AR-2000	AR-2000	AR-2000	N/A
INSTALLED CARTRIDGE DATA	COLOR DATA (FIRST TWO DIGITS)	BLACK TONER(00)	YELLOW TONER(01)	MAGENTA TONER(10)	CYAN TONER(11)	N/A
[]	FULL DATA (FULL DIGITS)	3/22/2000 0000 0000 0000 0101 0000 BLACK TONER(00) AR-2000 0000 0101 0000 5/14/2000	3/22/2000   0100 0000 0000 0000 0100   YELLOW TONER(01)   AR-2000   0000 0000 0100   11/1/2001	3/22/2000   1000 0000 0000 0000 1100 MAGENTA TONER(10)   AR-2000   0000 0000 1100   11/1/2001	3/22/2000   1100 0000 0000 0000 0111   CYAN TONER(11)   AR-2000   0000 0000 0000 0111   11/1/2001	N/A
DATE OF	REPLACEMENT	3/22/2000	3/22/2000	3/22/2000	3/22/2000	N/A
advr andrarda	CARINIDOE HITE	BLACK	YELLOW	MAGENTA	CYAN	PHOTOSENSITIVE RODY

## FIG. 49 (b) SPARE CARTRIDGE DATA

DATE 03/22/2000/15:58	
MACHINE MODEL AR-2000 LIBRE	CONTRACT SIGNER ID 000125

		nate of		SPARE CARTRIDGE DATA	ATA		TINGULA	10.4 A	Christ than after
	o. DATE OF DELIVERY	INSTALLATION	INSTALLATION FULL DATA (FULL DIGITS)	COLOR DATA (FIRST TWO DIGITS)	MODEL DATA	UNIQUE DATA	STATUS	DAIE OF EXPIRY T	BEFORE EXPIRY Tr
1	3/22/2000	3/22/2000	3/22/2000 0000 0000 0101 0000	BLACK TONER(00)	AR-2000	0000 BLACK TONER(00) AR-2000 0000 0000 0101 0000	IN USE	5/14/2000	Т г З
2	3/22/2000	3/22/2000	0010 0000 0000 0000 0010	YELLOW TONER(01)	AR-2000	0100 YELLOW TONER(01) AR-2000 0000 0000 0100 IN USE	IN USE	11/1/2001	T r 1
3	3/22/2000	3/22/2000	3/22/2000 1000 0000 0000 0000 1100	MAGENTA TONER (10)	AR-2000	1100 MAGENTA TONER(10) AR-2000 0000 0000 0100	IN USE	11/1/2001	T r 1
4	3/22/2000	3/22/2000	1100 0000 0000 0000 0111	CYAN TONER(11)	AR-2000	CYAN TONER(11) AR-2000 0000 0000 0111 IN USE	IN USE	11/1/2001	T r 1
2	3/22/2000	1	1000 1010 0000 0000 0000	BLACK TONER(00)	AR-2000	BLACK TONER(00)   AR-2000   0000 0000 0101 0001 NEW (SPARE)   12/14/2000	NEW (SPARE)	12/14/2000	T r 1
9	3/22/2000	_	0100 0000 0000 0000 0101	YELLOW TONER(01)	AR-2000	0101 YELLOW TONER(01) AR-2000 0000 0000 0101 NEW (SPARE) 11/1/2001	NEW (SPARE)	11/1/2001	T r 1
7	3/22/2000	-	1000 0000 0000 1101	MAGENTA TONER (10)	AR-2000	1101 MAGENTA TONER(10) AR-2000 0000 0000 1101 NEW (SPARE) 11/1/2001	NEW (SPARE)	11/1/2001	Tr1
8	3/22/2000		1100 0000 0000 0000 1000	1000 CYAN TONER(11)	AR-2000	AR-2000 0000 0000 0000 1000 NEW (SPARE) 11/1/2001	NEW (SPARE)	11/1/2001	T r 1
6	•								
0	•								

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# FIG. 50 (a) INSTALLED CARTRIDGE DATA

MACHINE MODEL AR-2000 LIBRE

CONTRACT SIGNER ID 000125

GADTOTOE TIVE	DATE OF	II	INSTALLED CARTRIDGE DATA	3 DATA		DATE OF	TIME REMAINING	CORRESPONDING SPARE CARTRIDGE
CANINIDOE IIFE	REPLACEMENT	FULL DATA (FULL DIGITS)	COLOR DATA (FIRST TWO DIGITS)	MODEL DATA	UNIQUE DATA	EXPIRY T	BEFORE EXPIRY Tr	No.
BLACK	6/12/2000	6/12/2000 0000 0000 0000 0101 0001 BLACK TONER(00) AR-2000 0000 0000 0101 0001 12/14/2000	BLACK TONER(00)	AR-2000	0000 0000 0101 0001	12/14/2000	Tr1	0 (No. 5)
YELLOW	3/22/2000	3/22/2000 0100 0000 0000 0000 0100 YELLOW TONER(01) AR-2000 0000 0000 0000 0100 11/1/2001	YELLOW TONER(01)	AR-2000	0000 0000 0000 0100	11/1/2001	T r 1	1 (No. 2)
MAGENTA	3/22/2000	3/22/2000 1000 0000 0000 0000 1100 MAGENTA TONER(10) AR-2000 0000 0000 0000 1100 11/1/2001	MAGENTA TONER(10)	AR-2000	0000 0000 1100	11/1/2001	T r 1	1 (No. 3)
CYAN	3/22/2000	3/22/2000   1100 0000 0000 0000 0111   CYAN TONER(11)	CYAN TONER(11)	AR-2000	AR-2000 0000 0000 0111 11/1/2001	11/1/2001	T r 1	1 (No. 4)
PHOTOSENSITIVE BODY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

## FIG. 50 (b) SPARE CARTRIDGE DATA

MACHINE MODEL AR-2000 LIBRE	CONTRACT SIGNER ID 000125

03/22/2000/15:58

DATE

		חאת סדיאת		SPARE CARTRIDGE DATA	ATA		#Waddillo	T 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Civilian Alice Children
No.	DATE OF DELIVERY	INSTALLATION	No. DATE OF DELIVERY INSTALLATION FULL DATA (FULL DIGITS)	COLOR DATA (FIRST TWO DIGITS)	MODEL DATA	UNIQUE DATA	STATUS	DAIE OF EXPIRY T	BEFORE EXPIRY Tr
1	3/22/2000	3/22/2000	3/22/2000   0000 0000 0000 0101 0000   BLACK TONER(00)   AR-2000   0000 0000 0101 0000	BLACK TONER(00)	AR-2000	0000 0000 0101 0000	USED	5/14/2000	Tr3
2	3/22/2000	3/22/2000	3/22/2000   0100 0000 0000 0000 0100   YELLOW TONER(01)   AR-2000   0000 0000 0000 0100	YELLOW TONER(01)	AR-2000	0000 0000 0000 0100	IN USE	11/1/2001	T r 1
3	3/22/2000	3/22/2000	3/22/2000   1000 0000 0000 0000 1100 MAGENTA TONER(10)   AR-2000   0000 0000 0000 1100	MAGENTA TONER (10)	AR-2000	0000 0000 1100	IN USE	11/1/2001	T r 1
4	3/22/2000	3/22/2000	3/22/2000 1100 0000 0000 0000 0111	CYAN TONER(11)	AR-2000	AR-2000 0000 0000 0000 0111	IN USE	11/1/2001	T r 1
5	3/22/2000	6/12/2000	6/12/2000 0000 0000 0000 0101 0001 BLACK TONER(00) AR-2000 0000 0000 0101 0001	BLACK TONER (00)	AR-2000	0000 0000 0101 0001	IN USE	12/14/2000	T r 1
9	3/22/2000	Marrows	0100 0000 0000 0000 0101 YELLOW TONER(01) AR-2000 0000 0000 0101 NEW (SPARE) 11/1/2001	YELLOW TONER(01)	AR-2000	0000 0000 0000 0000	NEW (SPARE)	11/1/2001	T r 1
7	3/22/2000	1	1000 0000 0000 0000 1101 MAGENTA TONER(10) AR-2000 0000 0000 0000 1101 NEW (SPARE)	MAGENTA TONER (10)	AR-2000	0000 0000 0000 1101	VEW (SPARE)	11/1/2001	T r 1
8	3/22/2000	1	1100 0000 0000 0000 1000 CYAN TONER(11)	CYAN TONER(11)	AR-2000	AR-2000 0000 0000 0000 1000 NEW (SPARE) 11/1/2001	VEW (SPARE)	11/1/2001	T r 1
6	•								i i i i i i i i i i i i i i i i i i i
10	•								

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FIG. 51 (a) INSTALLED CARTRIDGE DATA

MACHINE MODEL AR-2000 LIBRE CONTRACT SIGNER ID 000125

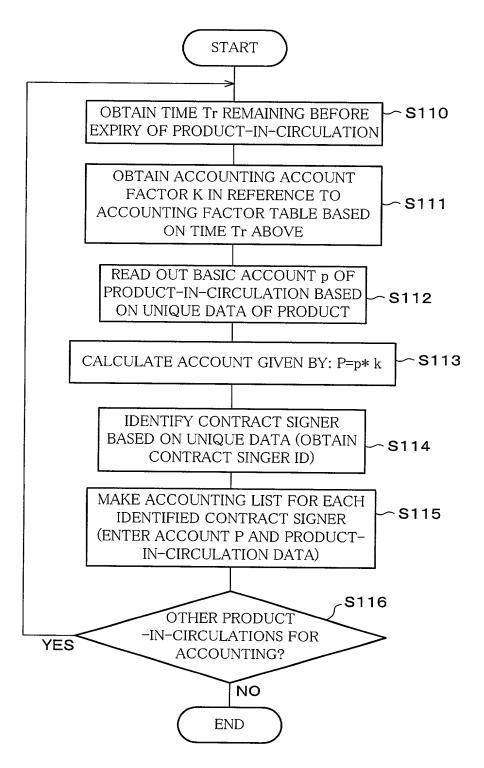
				_	_	
CORRESPONDING SPARE CARTRIDGE	No.	1 (No. 5)	1 (No. 2)	1 (No. 3)	1 (No. 4)	N/A
TIME REMAINING	BEFORE EXPIRY Tr	Tr1	Tr1	Tr1	Tr1	
DATE OF	EXPIRY T	12/14/2000	11/1/2001	11/1/2001	11/1/2001	N/A
	UNIQUE DATA	AR-2000 0000 0000 0101 0001 12/14/2000	0000 0000 0000 0100	0000 0000 0000 1100	0000 0000 0000 0111	N/A
E DATA	MODEL DATA	AR-2000	AR-2000	AR-2000	AR-2000	N/A
INSTALLED CARTRIDGE DATA	COLOR DATA (FIRST TWO DIGITS)	BLACK TONER (00)	YELLOW TONER(01)	MAGENTA TONER (10)	CYAN TONER (11)	N/A
NI	FULL DATA (FULL DIGITS)	6/12/2000   0000 0000 0000 0101 0001   BLACK TONER(00)	3/22/2000 0100 0000 0000 0000 0100 YELLOW TONER(01) AR-2000 0000 0000 0000 0100 11/1/2001	3/22/2000 1000 0000 0000 0000 1100 MAGENTA TONER(10) AR-2000 0000 0000 0000 1100 11/1/2001	3/22/2000 1100 0000 0000 0000 0111 CYAN TONER(11) AR-2000 0000 0000 0000 0111 11/1/2001	N/A
DATE OF	REPLACEMENT	6/12/2000	3/22/2000	3/22/2000	3/22/2000	N/A
CADTDING TWDE		BLACK	YELLOW	MAGENTA	CYAN	PHOTOSENSITIVE BODY

## FIG. 51 (b) SPARE CARTRIDGE DATA

03/22/2000/15:58 DATE MACHINE MODEL AR-2000 LIBRE CONTRACT SIGNER ID 000125

		DATE OF		SPARE CARTRIDGE DATA	ATA		CIIDDENT	7. 10.	THE PERMITATOR
No.	DATE OF DELIVERY	INSTALLATION	No. DATE OF DELIVERY INSTALLATION FULL DATA (FULL DIGITS)	COLOR DATA (FIRST TWO DIGITS)	MODEL DATA	UNIQUE DATA	STATUS	DAIE OF EXPIRY T	IIME KEMAINING BEFORE EXPIRY Tr
Ţ	3/22/2000	3/22/2000	3/22/2000 0000 0000 0101 0000	BLACK TONER(00)	AR-2000	0000 BLACK TONER(00)   AR-2000   0000 0000 0101 0000	CEED	5/14/2000	Tr3
2	3/22/2000	3/22/2000	3/22/2000 0100 0000 0000 0000 0100 YELLOW TONER(01) AR-2000 0000 0000 0100	YELLOW TONER(01)	AR-2000	0000 0000 0100	IN USE	11/1/2001	T r 1
3	3/22/2000	3/22/2000	3/22/2000 1000 0000 0000 0000 1100 MAGENTA TONER(10) AR-2000 0000 0000 1100	MAGENTA TONER (10)	AR-2000	0000 0000 0000 1100	IN USE	11/1/2001	T r 1
4	3/22/2000	3/22/2000	3/22/2000 1100 0000 0000 0000 0111	CYAN TONER(11)	AR-2000	CYAN TONER(11) AR-2000 0000 0000 0000 0111	IN USE	11/1/2001	T r 1
5	3/22/2000	6/12/2000	6/12/2000 0000 0000 0101 0001	BLACK TONER (00)	AR-2000	0001 BLACK TONER(00) AR-2000 0000 0000 0101 0001	IN USE	12/14/2000	Tr1
9	3/22/2000	COLLECTED	COLLECTED 0100 0000 0000 0000 0101 YELLOW TONER(01) AR-2000 0000 0000 0000 0101 COLLECTED	YELLOW TONER(01)	AR-2000	0000 0000 0000 0101	COLLECTED	[	
7	3/22/2000	COLLECTED	COLLECTED 1000 0000 0000 0000 1101 MAGENTA TONER(10) AR-2000 0000 0000 0000 1101 COLLECTED	MAGENTA TONER (10)	AR-2000	0000 0000 0000 1101	COLLECTED		
8	3/22/2000	COLLECTED	COLLECTED 1100 0000 0000 0000 1000 CYAN TONER(11) AR-2000 0000 0000 0000 1000 COLLECTED	CYAN TONER (11)	AR-2000	0000 0000 0000 1000	COLLECTED		
6	6/20/2000	_	0000 0000 0000 0101 0010	BLACK TONER (00)	AR-2000	AR-2000 0000 0000 0101 0010 NEW (SPARE) 12/14/2000	VEW (SPARE)	12/14/2000	T r 2
10	•								

FIG. 52



### FIG.53

### ACCOUNTING FACTOR TABLE [1]

TIME REMAINING BEFORE EXPIRY Tr	ACCOUNTING FACTOR k
Tr0: MORE THAN 1 YEAR	k0=1
Tr1: 6 MONTHS TO 1 YEAR	k1
Tr2: 2 MONTHS TO 6 MONTHS	k2
Tr3: 1 MONTH TO 2 MONTHS	k3
Tr4: LESS THAN 1 MONTH	k4

NOTE THAT  $k0 > k1 > k2 > \cdots$ 

FIG. 54

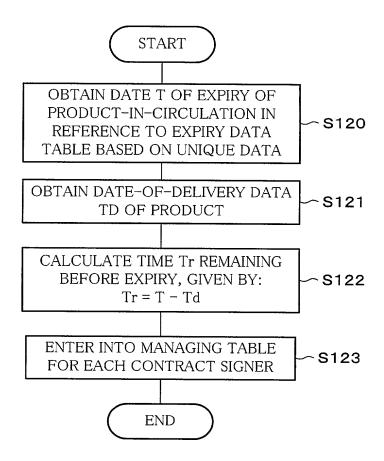


FIG. 55

CONTRACT SIGNER ID: 000125

							SPA	SPARE ARTICLE DATA	E DATA				1110	
N	DATE OF DATE OF DATE OF	DATE OF PURCHASE	DATE OF		TOP 1	TOP LEVEL	SECOND	SECOND LEVEL		THIR	THIRD LEVEL		I IME BEFORE	PURCHASE
;		Tp	N Tc	DATA (FULL DIGITS)	TOP LEVEL CODE	TOP LEVEL	SECOND LEVEL CODE	SECOND LEVEL	THIRD LEVEL CODE	TITLE	REMARKS 1	TITLE REMARKS 1 REMARKS 2	EXPIRY Tr	STATUS
ا⊤ا	N/A	ļ	_	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2														
3														
4														
5														
9														
7														
8														
9	•													
10	•													
11													***	

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FIG. 56

CONTRACT SIGNER ID: 000125

Γ	SE	S	<u>~</u>	<u> </u>		<u> </u>	<u> </u>	Γ		Τ		1	Τ
	PURCHASE	STATUS	NEW (SPARE)	NEW (SPARE)	NEW (SPARE)	NEW (SPARE)	NEW (SPARE)						
	TIME	BEFORE EXPIRY Tr	12/31/2000	7/1/2001	7/1/2001	6/7/2005	8/20/2000						
		REMARKS 2	FOR PC USE	"	"	ll ll	DIGITAL FORMAT FOR VIDEO USE						
	THIRD LEVEL	REMARKS 1	DATA SEARCH, EXPLOITATION SOFTWARE	JAPANESE ENGLISH TRANSLATION ASSISTANT	USABILITY ENHANCEMENT SOFTWARE	GENERAL USE (FIVE IN ONE PACK)	GENERAL USE (FIVE IN ONE PACK)						
	THI	TITLE	"DATA SEARCH"	"TRANSLATION ASSISTANT"	"INTERNET SUPPORT"	ı	I						
DATA		THIRD LEVEL CODE	0000	0001	0010	N/A	N/A						
SPARE ARTICLE DATA	SECOND LEVEL	SECOND LEVEL	APPLI- CATION SOFTWARE	APPLI- CATION SOFTWARE	APPLI- CATION SOFTWARE	VHS	DΛ						
SPAR	SECON	SECOND LEVEL CODE	10	10	10	00	01						
	TOP LEVEL	TOP LEVEL	CD-ROM	CD-ROM	CD-ROM	EMPTY MEDIUM	EMPTY MEDIUM						
	TOP 1	TOP LEVEL CODE	00	00	00	11	11						
		FULL DATA (FULL DIGITS)	0010 0000 0000 0101 0000	0010 0001 0000 0000 0100	0010 0010 0000 0000 1100	1100 0000 0000 0111	1101 0000 0000 0101 0001						
	DATE OF	Te		l	l	1	1						_
	DATE OF PURCHASE	Tp	37		I		l						
	DATE OF DELIVERY		3/1/2000	2 3/1/2000	3/1/2000	4 3/1/2000	5 3/1/2000				•	•	
	N <sub>S</sub>		-	7	က	4	5	9	7	8	9	10	11

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FIG. 57

CONTRACT SIGNER ID: 000125

Г	Ĕ		Ð				æ		T		T	1	Т
	PURCHASE	STATUS	PURCHASI	NEW (SPARE)	NEW (SPARE)	NEW (SPARE)	PURCHASED						
	TIME	BEFORE EXPIRY Tr	12/31/2000 PURCHASED	7/1/2001	7/1/2001	6/7/2005	8/20/2000						
		REMARKS 2	FOR PC USE	И	H	11	DIGITAL FORMAT FOR VIDEO USE						
	THIRD LEVEL	REMARKS 1	DATA SEARCH, EXPLOITATION SOFTWARE	JAPANESE ENGLISH TRANSLATION ASSISTANT	INTERNET USABILITY ENHANCEMENT SOFTWARE	GENERAL USE (FIVE IN ONE PACK)	GENERAL USE (FIVE IN ONE PACK)						
	THIL	TITLE	"DATA SEARCH"	"TRANSLATION ASSISTANT"	"INTERNET SUPPORT"	I	J						
E DATA		THIRD LEVEL CODE	0000	1000	0010	N/A	N/A						
SPARE ARTICLE DATA	SECOND LEVEL	SECOND LEVEL	APPLI- CATION SOFTWARE	APPLI- CATION SOFTWARE	APPLI- CATION SOFTWARE	VHS	DΛ						
SPA	SECONI	SECOND LEVEL CODE	10	10	10	00	01						
	EVEL.	TOP LEVEL	CD-ROM	CD-ROM	CD-ROM	EMPTY MEDIUM	EMPTY MEDIUM						
	TOP LEVEL	TOP LEVEL CODE	00	00	00	11	11						
		FULL DATA (FULL DIGITS)	0010 0000 0000 0101 0000	0010 0000 0000 0100	0010 0010 0000 0000 1100	1100 0000 0000 0000 0111	1101 0000 0000 0101 0001						E
	DATE OF	Tc	i i i i i i i i i i i i i i i i i i i	l	l	l	ı						
	DATE OF PIRCHASE	Tp	3/1/2000 3/10/2000	l	I	I	3/18/2000						
	DATE OF DELIVERY		3/1/2000	2 3/1/2000	3 3/1/2000	3/1/2000	3/1/2000 3/18/2000				•	•	
	No		7	2	ಣ	4	2	9	7	8	6.	10	Π

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FIG. 58

CONTRACT SIGNER ID: 000125

	PURCHASE	STATUS	PURCHASED	COLLECTED	COLLECTED	COLLECTED	PURCHASED	NEW (SPARE)	NEW (SPARE)	NEW (SPARE)			
TIME BEFORE EXPIRY Tr			12/31/200	7/1/2001	7/1/2001	6/7/2005	8/20/2000 PURCHASED	9/5/2008	10/24/2002	4/1/2010			
SPARE ARTICLE DATA	THIRD LEVEL	REMARKS 2	FOR PC USE	ll .	II		DIGITAL FORMAT FOR VIDEO USE		FOR PC USE				
		REMARKS 1	DATA SEARCH, EXPLOITATION SOFTWARE	JAPANESE ENGLISH TRANSLATION ASSISTANT	INTERNET USABILLITY ENHANCEMENT SOFTWARE	GENERAL USE (FIVE IN ONE PACK)	GENERAL USE (FIVE IN ONE PACK)	GENERAL USE (FIVE IN ONE PACK)	INTERNET EMAIL SOFTWARE	WITH SUBTITLE			
		TITLE	"DATA SEARCH"	"TRANSLATION ASSISTANT"	"INTERNET SUPPORT"	l	-		"EMAIL"	"XXX"			
		THIRD LEVEL CODE	0000	1000	0010	N/A	N/A	N/A	0011	0000			
	SECOND LEVEL	SECOND LEVEL	APPLI- CATION SOFTWARE	APPLI- CATION SOFTWARE	APPLI- CATION SOFTWARE	VHS	DV	MD	APPLI- CATION SOFTWARE	MOVIE			
		SECOND LEVEL CODE	10	10	10	00	01	10	10	00			
	TOP LEVEL	TOP LEVEL	CD-ROM	CD-ROM	CD-ROM	EMPTY MEDIUM	EMPTY MEDIUM	EMPTY MEDIUM	CD-ROM	DVD			
	TOP	TOP LEVEL CODE	00	00	00	11	11	11	00	01			
	FULL DATA (FULL DIGITS)		0010 0000 0000 0101 0000	0010 0001 0000 0000 0100	4/1/2000 0010 0010 0000 0000 1100	1100 0000 0000 0000 0111	1101 0000 0000 0101 0001	1110 0000 0000 0000 0101	0010 0011 0000 0000 1101	0100 0000 0000 1000			
	DATE OF			4/1/2000	4/1/2000	4/1/2000	1	l	l	l			
DATE OF PURCHASE Tp			3/1/2000 3/10/2000	ı	ı	ı	3/1/2000 3/18/2000	ı	1	l			
	DATE OF DELIVERY	Td	3/1/2000	2 3/1/2000	3 3/1/2000	3/1/2000	3/1/2000	6 4/1/2000	4/1/2000	8 4/1/2000			
	No	. ]	H	2	က	4	D.	9	2	8	6	10	Ξ